

INFORMATION DISCLOSURE CITATION
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ATTY DOCKET NO.
P-5540

SERIAL NO.
10/017,024

HARDING ET AL.

FILING
12/7/01

GROUP

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|---------|-------------------|-------|----------|-------------------------------|
| | 4,535,820 | 8/20/85 | RAINES | | | 5/24/84 |
| | 4,535,818 | 8/20/85 | DUNCAN ET AL. | | | 9/26/83 |
| | 4,535,819 | 8/20/85 | ATKINSON ET AL. | | | 6/4/84 |
| | 4,512,766 | 4/23/85 | VAILLANCOURT | | | 12/8/82 |
| | 4,511,359 | 4/16/85 | VAILLANCOURT | | | 9/29/82 |
| | 4,508,367 | 4/2/85 | OREOPOULOS ET AL. | | | 11/17/82 |
| | 4,496,348 | 1/29/85 | GENESE ET AL. | | | 11/29/79 |
| | 4,475,548 | 10/9/84 | MUTO | | | 6/1/82 |
| | 4,457,749 | 7/3/84 | BELLOTTI ET AL. | | | 4/19/82 |
| | 4,436,519 | 3/13/84 | O'NEILL | | | 5/28/81 |
| | 4,436,125 | 3/13/84 | BLENKUSH | | | 3/17/82 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | WO 97/24548 | | PCT | | | ✓ | |
| | WO 97/00702 | | PCT | | | ✓ | |
| | WO 96/40359 | | PCT | | | ✓ | |
| | WO 93/11828 | | PCT | | | ✓ | |
| | WO 96/00053 | | PCT | | | ✓ | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
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| | "NEW SUPER-STIFF GUIDE WIRE", By Drs. Smith, Darcy, Hunter, Castaneda-Zuniga and Amplatz, Vol. 161, Number 2 of Radiology, pp.551-552, November 1986 |
| | International Standard ISO 594/1 - "Conical Fittings with a 60° (Luer) taper for syringes, needles and certain other medical equipment - Part 1: General Requirements, First Edition - 1986-096-15 |

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| | 4,432,765 | 2/21/84 | OSCARSSON | | | 7/14/82 |
| | 4,432,759 | 2/21/84 | GROSS ET AL. | | | 4/26/82S |
| | 4,432,755 | 2/21/84 | PEARSON | | | 5/25/83 |
| | 4,429,856 | 2/7/84 | JACKSON | | | 12/18/81 |
| | 4,421,296 | 12/20/83 | STEPHENS | | | 8/11/81 |
| | 4,421,123 | 12/20/83 | PERCARPIO | | | 11/30/81 |
| | 4,387,879 | 6/14/83 | TAUSCHINSKI | | | 7/16/81 |
| | 4,360,024 | 11/23/82 | WALLACE | | | 11/14/80 |
| | 4,341,239 | 7/27/82 | ATKINSON | | | 7/14/80 |
| | 4,341,224 | 7/27/82 | STEVENS | | | 2/4/80 |
| | 4,338,933 | 7/13/82 | BAYARD ET AL. | | | 12/22/80 |

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|--|----------------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | 1,105,959 | | CANADA | | | ✓ | |
| | DE 29 07 832A1 | | GERMANY | | | | ✓ |
| | DE 3031242A1 | | GERMANY | | | | ✓ |
| | DE30 42 229A1 | | GERMANY | | | | ✓ |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|--|--|--|--|
| | | | Machinery's Handbook 23rd Edition, by Obert, Jones and Horton, Industrial Press Inc., NY, pp. 1610-1621 |
| | | | |

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| | | 4,334,551 | 6/15/82 | PFISTER | | | 4/30/79 |
| | | 4,332,333 | 6/1/82 | LINSEY | | | 7/21/80 |
| | | 4,328,802 | 5/11/82 | CURLEY ET AL. | | | 5/14/80 |
| | | 4,326,569 | 4/27/82 | VAILLANCOURT | | | 2/15/80 |
| | | 4,324,239 | 4/13/82 | GORDON ET AL. | | | 6/20/80 |
| | | 4,294,250 | 10/13/81 | DENNEHEY | | | 12/7/79 |
| | | 4,261,357 | 4/14/81 | KONTOS | | | 1/29/79 |
| | | 4,252,122 | 2/24/81 | HALVORSEN | | | 5/10/79 |
| | | 4,240,411 | 12/23/80 | HOSONO | | | 4/18/78 |
| | | 4,219,912 | 9/2/80 | ADAMS | | | 10/10/78 |
| | | 4,201,208 | 5/6/80 | CAMBIO, JR. | | | 11/30/77 |

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| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | | YES | NO |
| | | DE 425197U1 | | GERMANY | | | | ✓ |
| | | DE 3737665A1 | | GERMANY | | | | ✓ |
| | | EP 0 051 718A1 | | EPO | | | | ✓ |
| | | EP 0 111 723A1 | | EPO | | | | ✓ |
| | | EP 0 114 677A2 | | EPO | | | ✓ | |

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|----------------------|-----------------|----------|-------------------|-------|----------|-------------------------------|
| | 4,200,096 | 4/29/80 | CHARVIN | | | 6/8/77 |
| | 4,197,848 | 4/15/80 | GARRETT ET AL. | | | 1/6/78 |
| | 4,192,304 | 3/11/80 | MILLET | | | 3/14/78 |
| | 4,187,846 | 2/12/80 | LOLACHI ET AL. | | | 6/22/78 |
| | 4,177,814 | 12/11/79 | KNEPSHIELD ET AL. | | | 1/18/78 |
| | 4,177,809 | 12/11/79 | MOOREHEAD | | | 9/15/77 |
| | 4,149,535 | 4/17/79 | VOLDER | | | 5/6/77 |
| | 4,143,853 | 34/13/79 | ABRAMSON | | | 7/14/77 |
| | 4,133,312 | 1/9/79 | BURD | | | 10/13/76 |
| | 4,128,098 | 12/5/78 | BLOOM ET AL. | | | 12/6/76 |
| | 4,121,585 | 10/24/78 | BECKER, JR. | | | 1/24/77 |

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|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | EO 0 223 451A2 | | EPO | | | ✓ | |
| | EP 0 343 953A1 | | EPO | | | ✓ | |
| | EP 0 696 461A2 | | EPO | | | ✓ | |
| | EP 0 798 013A1 | | EPO | | | ✓ | |
| | 1,149,727 | | FRANCE | | | | ✓ |

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|----------------------|-----------------|----------|------------|-------|----------|-------------------------------|
| | 4,106,491 | 8/15/78 | GUERRA | | | 12/13/76 |
| | 4,105,187 | 8/8/78 | HUBER | | | 10/4/76 |
| | 4,084,606 | 4/18/78 | MITTLEMAN | | | 4/23/74 |
| | 4,080,965 | 3/28/78 | PHILLIPS | | | 9/30/76 |
| | 4,076,285 | 2/28/78 | MARTINEZ | | | 8/1/75 |
| | 4,063,555 | 12/20/77 | ULINDER | | | 1/22/76 |
| | 4,040,421 | 8/9/77 | YOUNG | | | 7/6/76 |
| | 4,019,512 | 4/26/77 | TENCZAR | | | 12/4/75 |
| | 4,000,739 | 1/4/77 | STEVENS | | | 7/9/75 |
| | 3,994,293 | 11/30/76 | FERRO | | | 4/29/75 |
| | 3,986,508 | 10/19/76 | BARRINGTON | | | 11/6/74 |

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| | | | | | | YES | NO |
| | 2,049,513 | | FRANCE | | | | ✓ |
| | 1,344,166 | | GREAT BRITAIN | | | ✓ | |
| | 2,012,919A | | GREAT BRITAIN | | | ✓ | |
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|----------------------|-----------------|----------|------------------|-------|----------|-------------------------------|
| | 3,977,403 | 8/31/76 | PATEL | | | 2/24/75 |
| | 3,977,400 | 8/31/76 | MOOREHEAD | | | 11/29/74 |
| | 3,974,832 | 8/17/76 | KRUCK | | | 3/22/73 |
| | 3,898,988 | 8/12/75 | MORGAN | | | 4/22/74 |
| | 3,889,675 | 6/17/75 | STEWART | | | 6/25/74 |
| | 3,875,938 | 4/8/75 | MELLOR | | | 8/22/73 |
| | 3,856,010 | 12/24/74 | MOOREHEAD ET AL. | | | 9/7/73 |
| | 3,853,127 | 12/10/74 | SPADEMAN | | | 4/3/73 |
| | 3,837,381 | 9/24/74 | ARROYO | | | 12/26/72 |
| | 3,831,629 | 8/27/74 | MACKAL ET AL. | | | 1/24/72 |
| | 3,806,086 | 4/23/74 | CLOYD | | | 3/15/73 |

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| | 3,648,684 | 3/14/72 | BARNWELL ET AL. | | | 8/4/70 |
| | 3,620,500 | 11/16/71 | SANTOMIERI | | | 2/4/70 |
| | 3,601,151 | 8/24/71 | WINNARD | | | 1/8/68 |
| | 3,570,484 | 3/16/71 | STEER | | | 8/20/68 |
| | 3,466,065 | 9/9/69 | ACKER ET AL. | | | 4/4/68 |
| | 3,416,567 | 12/17/68 | VON DARDEL ET AL. | | | 2/12/65 |
| | 3,354,881 | 11/28/67 | BLOCH | | | 11/3/64 |
| | 3,308,798 | 3/14/67 | SNIDER | | | 5/5/65S |
| | 3,200,860 | 8/17/65 | BARTON ET AL. | | | 4/3/61 |
| | 3,157,201 | 11/17/64 | LITTMANN | | | 4/12/62 |
| | 3,134,380 | 5/26/64 | ARMAO | | | 2/8/62 |

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|----------------------|-----------------|---------|-----------------------|-------|----------|-------------------------------|
| | 3,091,240 | 5/28/63 | MC CONNAUGHEY ET AL. | | | 5/29/58 |
| | 3,084,688 | 4/9/63 | MC CONNAUGHEY | | | 7/15/59 |
| | 3,057,350 | 10/9/62 | COWLEY | | | 6/27/58 |
| | 2,999,499 | 9/12/61 | WILLET | | | 7/11/58 |
| | 2,933,333 | 4/19/60 | BREDTSCHNEIDER ET AL. | | | 9/26/55 |
| | 2,899,975 | 8/18/59 | FERNANDEZ | | | 1/22/57 |
| | 2,881,937 | 4/14/59 | ROBERTS | | | 6/4/54 |
| | 811,811 | 2/6/06 | ALLISON | | | 5/22/05 |
| | 2,847,995 | 8/19/58 | ADAMS | | | 8/23/54 |
| | 2,707,953 | 5/10/55 | RYAN | | | 7/15/52 |
| | 2,682,874 | 7/6/54 | HICKEY | | | 5/13/53 |

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| | 2,653,606 | 9/29/53 | RYAN | | | 7/6/49 |
| | 2,579,724 | 12/25/51 | BREAKSTONE | | | 4/15/46 |
| | 2,289,677 | 7/14/42 | PERELSON | | | 9/24/40 |
| | 1,578,517 | 3/30/26 | HEIN | | | 12/23/24 |
| | 1,180,665 | 4/25/16 | MC ELROY | | | 11/29/15 |
| | DES.321,251 | 10/29/91 | JEPSON ET AL. | | | 3/7/89 |
| | 6,261,282B1 | 7/17/01 | JEPSON ET AL. | | | 5/20/98 |
| | 5,092,840 | 3/3/92 | HEALY | | | 7/16/90 |
| | 5,092,857 | 3/3/92 | FLEISHHACKER | | | 5/17/91 |
| | 5,098,405 | 3/24/92 | PETERSON ET AL. | | | 1/31/91 |
| | 5,099,878 | 3/31/92 | BOEHMER | | | 5/13/91 |

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| | 5,100,394 | 3/31/92 | DUDAR ET AL. | | | 10/23/89 |
| | 5,103,854 | 4/14/92 | BAILEY ET AL. | | | 9/24/91 |
| | 5,104,379 | 4/14/92 | NAKAMURA ET AL. | | | 3/28/90 |
| | 5,104,389 | 4/14/92 | DEEM ET AL. | | | 6/27/91 |
| | 5,108,380 | 4/28/92 | HERLITZE ET AL. | | | 1/4/91 |
| | 5,114,408 | 5/19/92 | FLEISCHHAKER ET AL. | | | 10/18/90 |
| | 5,122,123 | 6/16/92 | VAILLANCOURT | | | 1/30/91 |
| | 5,127,904 | 7/7/92 | LOO ET AL. | | | 4/2/90 |
| | 5,129,426 | 7/14/92 | BOEHMER | | | 5/13/91 |
| | 5,135,489 | 8/4/92 | JEPSON ET AL. | | | 4/10/89 |
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| | | 5,139,483 | 8/18/92 | RYAN | | | 12/12/91 |
| | | 5,137,527 | 8/11/92 | MILLER ET AL. | | | 9/20/90 |
| | | 5,147,333 | 9/15/92 | RAINES | | | 5/13/91 |
| | | 5,154,703 | 10/13/92 | BONALDO | | | 10/30/90 |
| | | 5,158,554 | 10/27/92 | JEPSON ET AL. | | | 6/12/90 |
| | | 5,163,922 | 11/17/92 | MC ELVEEN JR. ET AL. | | | 4/29/91 |
| | | 5,167,637 | 12/1/92 | OKADA ET AL. | | | 10/30/91 |
| | | 5,167,642 | 12/1/92 | FOWLES | | | 8/27/90 |
| | | 5,167,648 | 12/1/92 | JEPSON ET AL. | | | 6/11/90 |
| | | 5,171,234 | 12/15/92 | JEPSON ET AL. | | | 6/12/90 |
| | | 5,178,607 | 1/12/93 | LYNN ET AL. | | | 10/10/90 |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
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| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | |
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| EXAMINER /Quynh-nhu Vu/ | DATE CONSIDERED 04/28/2008 |
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| INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> | ATTY DOCKET NO. P-5540 | SERIAL NO. 10/017,024 |
| | HARDING ET AL. | |
| | FILING 12/7/01 | GROUP |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|---------|----------------|-------|----------|-------------------------------|
| | 5,184,652 | 2/9/93 | FAN | | | 7/2/91 |
| | 5,188,620 | 2/23/93 | JEPSON ET AL. | | | 6/14/90 |
| | 5,190,067 | 3/2/93 | PARADIS ET AL. | | | 12/9/91 |
| | 5,199,948 | 4/6/93 | MC PHEE | | | 5/2/91 |
| | 5,201,725 | 4/13/93 | KLING | | | 9/26/91 |
| | 5,203,775 | 4/20/93 | FRANK ET AL. | | | 3/20/92 |
| | 5,207,656 | 5/4/93 | KRANYS | | | 4/19/90S |
| | 5,211,634 | 5/18/93 | VAILLANCOURT | | | 8/6/91 |
| | 5,215,537 | 6/1/93 | LYNN ET AL. | | | 9/13/90 |
| | 5,211,638 | 5/18/93 | DUDAR ET AL. | | | 1/21/92 |
| | 5,215,538 | 6/1/93 | LARKIN | | | 2/5/92 |

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| * | EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|----------|-----------------|-------|----------|-------------------------------|
| | 5,230,706 | 7/27/93 | DUQUETTE | | | 3/12/92 |
| | 5,234,410 | 8/10/93 | GRAHAM ET AL. | | | 10/23/92 |
| | 5,242,393 | 9/7/93 | BRIMHALL ET AL. | | | 6/18/92 |
| | 5,242,423 | 9/7/93 | GOODSIR ET AL. | | | 3/9/92 |
| | 5,242,432 | 9/7/93 | DE FRANK | | | 9/26/91 |
| | 5,249,598 | 10/5/93 | SCHMIDT | | | 8/3/92 |
| | 5,250,033 | 10/5/93 | EVANS ET AL. | | | 10/28/92 |
| | 5,251,873 | 10/12/93 | ATKINSON ET AL. | | | 6/4/92 |
| | 5,261,459 | 11/16/93 | ATKINSON ET AL. | | | 12/7/92 |
| | 5,269,763 | 12/14/93 | BOEHMER ET AL. | | | 7/18/91 |
| | 5,269,771 | 12/14/93 | THOMAS ET AL. | | | 2/24/93 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
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U.S. PATENT DOCUMENTS

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|---------------------|-----------------|----------|------------------|-------|----------|-------------------------------|
| | 5,273,533 | 12/28/93 | BONALDO | | | 3/11/92 |
| | 5,279,571 | 1/18/94 | LARKIN | | | 3/3/93 |
| | 5,280,876 | 1/25/94 | ATKINS | | | 3/25/93 |
| | 5,289,849 | 3/1/94 | PARADIS | | | 4/20/92 |
| | 5,290,254 | 3/1/94 | VAILLANCOURT | | | 11/16/92 |
| | 5,295,657 | 3/22/94 | ATKINSON | | | 4/12/93 |
| | 5,295,658 | 3/22/94 | ATKINSON ET AL. | | | 6/1/93 |
| | 5,301,707 | 4/12/94 | HOFSTEENGE | | | 4/12/93 |
| | 5,306,243 | 4/26/94 | BONALDO | | | 7/12/93 |
| | 5,312,362 | 5/17/94 | PFOLSGRAF ET AL. | | | 2/4/93 |
| | 5,312,377 | 5/17/94 | DALTON | | | 3/29/93 |

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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| | 5,330,435 | 7/19/94 | VAILLANCOURT | | | 4/8/93 |
| | 5,330,437 | 7/19/94 | DURMAN | | | 11/12/93 |
| | 5,336,192 | 8/9/94 | PALESTRANT | | | 11/27/91 |
| | 5,344,414 | 9/6/94 | LOPEZ ET AL. | | | 2/19/93 |
| | 5,349,984 | 9/27/94 | WEINHEIMER ET AL. | | | 1/25/93 |
| | 5,353,837 | 10/11/94 | FAUST | | | 5/22/92 |
| | 5,360,413 | 11/1/94 | LEASON ET AL. | | | 5/19/93 |
| | 5,370,636 | 12/6/94 | VON WITZLEBEN | | | 8/25/93 |
| | 5,368,801 | 11/29/94 | VAILLANCOURT | | | 1/5/93 |
| | 5,380,306 | 1/10/95 | BRINON | | | 11/23/92 |
| | 5,390,898 | 2/21/95 | SMEDLEY ET AL. | | | 4/6/94 |

FOREIGN PATENT DOCUMENTS

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------|------------------|-------|----------|-------------------------------|
| | 5,401,245 | 3/28/95 | HAINING | | | 11/26/93 |
| | 5,395,348 | 3/7/95 | RYAN | | | 12/22/93 |
| | 5,402,982 | 4/4/95 | ATKINSON ET AL. | | | 9/20/93 |
| | 5,409,125 | 4/25/95 | KIMBER ET AL. | | | 12/3/93 |
| | 5,409,471 | 4/25/95 | ATKINSON ET AL. | | | 7/6/93 |
| | 5,417,672 | 5/23/95 | NITA ET AL. | | | 10/4/93 |
| | 5,417,673 | 5/23/95 | GORDON | | | 4/21/94 |
| | 5,437,646 | 8/1/95 | HUNT ET AL. | | | 5/27/93 |
| | 5,439,451 | 8/8/95 | COLLINSON ET AL. | | | 11/30/94 |
| | 5,441,486 | 8/15/95 | YOON | | | 11/9/94 |
| | 5,441,487 | 8/15/95 | VEDDER | | | 1/23/95 |

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| | HARDING ET AL. | |
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U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|----------|-----------------|-------|----------|-------------------------------|
| | 5,445,630 | 8/29/95 | RICHMOND | | | 7/28/93 |
| | 5,453,097 | 9/26/95 | PARADIS | | | 8/15/94 |
| | 5,456,284 | 10/10/95 | RYAN ET AL. | | | 5/10/93 |
| | 5,456,675 | 10/10/95 | WOLBRING ET AL. | | | 3/31/94 |
| | 5,458,640 | 10/17/95 | GERRONE | | | 5/5/94 |
| | 4,566,493 | 1/28/86 | EDWARDS ET AL. | | | 2/21/85 |
| | 4,568,081 | 2/4/86 | MARTIN | | | 10/12/84 |
| | 4,568,336 | 2/4/86 | COOPER | | | 4/26/84 |
| | 4,573,993 | 3/4/86 | HOAG ET AL. | | | 9/29/83 |
| | 4,601,703 | 7/22/86 | HERLITZE | | | 12/20/84 |
| | 4,607,671 | 8/26/86 | AALTO ET AL. | | | 8/21/84 |

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| | | | | HARDING ET AL. | | | |
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| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 4,610,276 | 9/9/86 | PARADIS ET AL. | | | 9/29/82 |
| | | 4,610,469 | 9/9/86 | WOLFF-MOOLJ | | | 1/31/84 |
| | | 4,610,665 | 9/9/86 | MATSUMOTO ET AL. | | | 1/3/84 |
| | | 4,610,674 | 9/9/86 | SUZUKI ET AL. | | | 8/29/85 |
| | | 4,612,960 | 9/23/86 | EDWARDS ET AL. | | | 6/14/85 |
| | | 4,615,693 | 10/7/86 | PARADIS ET AL. | | | 3/27/84 |
| | | 4,617,012 | 10/14/86 | VAILLANCOURT | | | 10/29/85 |
| | | 4,629,159 | 12/16/86 | WELLENSTAM | | | 6/27/85 |
| | | 4,629,450 | 12/16/86 | SUZUKI ET AL. | | | 5/6/85 |
| | | 4,645,494 | 2/24/87 | LEE ET AL. | | | 10/22/85 |
| | | 4,649,904 | 3/17/87 | KRAUTER ET AL. | | | 1/2/86 |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
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U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|----------|--------------------|-------|----------|-------------------------------|
| | 4,655,752 | 4/7/87 | HONKANEN ET AL. | | | 4/7/86 |
| | 4,673,393 | 6/16/87 | SUZUKI ET AL. | | | 12/24/85 |
| | 4,673,394 | 6/16/87 | FENTON, JR. ET AL. | | | 1/17/86 |
| | 4,683,916 | 8/4/87 | RAINES | | | 9/25/86 |
| | 4,673,400 | 6/16/87 | MARTIN | | | 2/10/86 |
| | 4,706,487 | 11/17/87 | BANDOU ET AL. | | | 6/2/86 |
| | 4,728,075 | 3/1/88 | PARADIS | | | 1/28/81 |
| | 4,745,950 | 5/24/88 | MATHIEU | | | 4/11/86 |
| | 4,752,287 | 6/21/88 | KURTZ ET AL. | | | 12/30/86 |
| | 4,752,292 | 6/21/88 | LOPEZ ET AL. | | | 1/9/87 |
| | 4,758,225 | 7/19/88 | COX ET AL. | | | 11/7/86 |

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| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| | 4,759,756 | 7/26/88 | FORMAN ET AL. | | | 9/14/84 | |
| | 4,765,588 | 8/23/88 | ATKINSON | | | 8/18/86 | |
| | 4,768,568 | 9/6/88 | FOURNIER ET AL. | | | 7/7/87 | |
| | 4,775,369 | 10/4/88 | SCHWARTZ | | | 6/3/87 | |
| | 4,781,702 | 11/1/88 | HERRLI | | | 6/16/87 | |
| | 4,786,281 | 11/22/88 | VALENTINI ET AL. | | | 6/30/86 | |
| | 4,809,679 | 3/7/89 | SHIMONAKA ET AL. | | | 10/13/87 | |
| | 4,810,241 | 3/7/89 | ROGERS | | | 3/19/87 | |
| | 4,827,973 | 5/9/89 | BOEHMER | | | 6/27/88 | |
| | 4,834,152 | 5/30/89 | HOWSON ET AL. | | | 7/27/87 | |
| | 4,834,719 | 5/30/89 | ARENAS | | | 4/28/86 | |

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|---------------------|-----------------|----------|------------------|-------|----------|-------------------------------|
| | 4,838,855 | 6/13/89 | LYNN | | | 7/31/87 |
| | 4,838,873 | 6/13/89 | LANDSKRON ET AL. | | | 5/23/88 |
| | 4,842,591 | 6/27/89 | LUTHER | | | 1/21/88 |
| | 4,846,809 | 7/11/89 | SIMS | | | 2/29/88 |
| | 4,850,975 | 7/25/89 | FURUKAWA | | | 3/16/88 |
| | 4,856,533 | 8/15/89 | ANRAKU ET AL. | | | 1/28/86 |
| | 4,857,062 | 8/15/89 | RUSSELL | | | 3/9/88 |
| | 4,863,201 | 9/5/89 | CARSTENS | | | 4/13/89 |
| | 4,865,583 | 9/12/89 | TU | | | 4/20/88 |
| | 4,871,356 | 10/3/89 | HAINDL ET AL. | | | 5/17/88 |
| | 4,874,377 | 10/17/89 | NEWGARD ET AL. | | | 5/26/88 |

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| | | | | HARDING ET AL. | | | |
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| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 4,878,897 | 11/7/89 | KATZIN | | | 11/26/86 |
| | | 4,895,346 | 1/23/90 | STEIGERWALD | | | 5/2/88 |
| | | 4,886,507 | 12/12/89 | PATTON ET AL. | | | 2/1/88 |
| | | 4,908,018 | 3/13/90 | THOMSEN | | | 9/29/88 |
| | | 4,909,798 | 3/20/90 | FLEISHHACKER ET AL. | | | 11/12/87 |
| | | 4,915,687 | 4/10/90 | SIVERT | | | 2/17/89 |
| | | 4,917,668 | 4/17/90 | HAINDL | | | 2/2/89 |
| | | 4,935,010 | 6/19/90 | COX ET AL. | | | 11/9/87 |
| | | 4,944,732 | 7/31/90 | RUSSO | | | 8/15/88 |
| | | 4,950,257 | 8/21/90 | HIBBS ET AL. | | | 9/15/88 |
| | | 4,950,260 | 8/21/90 | BONALDO | | | 11/2/89 |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
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|----------------------|-----------------|----------|-------------------|-------|----------|-------------------------------|
| | 4,954,149 | 9/4/90 | FULLEMANN | | | 10/25/89 |
| | 4,960,412 | 10/2/90 | FINK | | | 4/15/88 |
| | 4,964,855 | 10/23/90 | TODD ET AL. | | | 3/31/89 |
| | 4,966,588 | 10/30/90 | RAYMAN ET AL. | | | |
| | 4,969,879 | 11/13/90 | LICHTE | | | 7/26/88 |
| | 4,981,469 | 1/1/91 | WHITEHOUSE ET AL. | | | 4/18/88 |
| | 4,984,829 | 1/15/91 | SAIGO ET AL. | | | 4/21/88 |
| | 4,986,310 | 1/22/91 | BAILEY ET AL. | | | 1/22/90 |
| | 4,998,713 | 3/12/91 | VAILLANCOURT | | | 1/10/90 |
| | 4,998,921 | 3/12/91 | VICKROY ET AL. | | | 11/20/89 |
| | 4,998,927 | 3/12/91 | VAILLANCOURT | | | 8/18/89 |

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| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 5,000,745 | 3/19/91 | GUEST ET AL. | | | 11/18/88 |
| | | 5,006,114 | 4/9/91 | ROGERS ET AL. | | | 4/20/90 |
| | | 5,006,118 | 4/9/91 | YULE | | | 1/9/89 |
| | | 5,009,391 | 4/23/91 | STEIGERWALD | | | 10/31/90 |
| | | 5,010,925 | 4/30/91 | ATKINSON ET AL. | | | 4/9/90 |
| | | 5,041,095 | 8/20/91 | LITTRELL | | | 12/22/89 |
| | | 5,041,087 | 8/20/91 | LOO ET AL. | | | 5/31/90 |
| | | 5,041,097 | 8/20/91 | JOHNSON | | | 2/26/90 |
| | | 5,049,128 | 9/17/91 | DUQUETTE | | | 2/6/90 |
| | | 5,059,186 | 10/22/91 | YAMAMOTO ET AL. | | | 3/23/89 |
| | | 5,060,812 | 10/29/91 | OGLE, II | | | 9/6/90 |

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| | 5,061,253 | 10/29/91 | YOSHIDA | | | 10/24/89 |
| | 5,064,416 | 11/12/91 | NEWGARD ET AL. | | | 7/17/89 |
| | 5,065,783 | 11/19/91 | OGLE, II | | | 9/20/90 |
| | 5,069,225 | 12/3/91 | OKAMURA | | | 9/25/89 |
| | 5,069,424 | 12/3/91 | DENNANY, JR. ET AL. | | | 10/17/90 |
| | 5,070,905 | 12/10/91 | PARADIS | | | 5/29/90 |
| | 5,071,404 | 12/10/91 | LARKIN ET AL. | | | 8/1/89 |
| | 5,078,699 | 1/7/92 | HABER ET AL. | | | 9/22/89 |
| | 5,085,645 | 2/4/92 | PURDY ET AL. | | | 8/15/90 |
| | 5,088,984 | 2/18/92 | FIELDS | | | 10/3/90 |
| | 5,462,255 | 10/31/95 | ROSEN ET AL. | | | 3/25/94 |

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| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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| | 5,465,938 | 11/14/95 | WERGE ET AL. | | | 3/2/93 |
| | 5,466,219 | 11/14/95 | LYNN ET AL. | | | 8/27/92 |
| | 5,470,319 | 11/28/95 | MAYER | | | 6/20/94 |
| | 5,474,536 | 12/12/95 | BONALDO | | | 4/25/94 |
| | 5,474,541 | 12/12/95 | RITSKY ET AL. | | | 8/31/93 |
| | 5,474,544 | 12/12/95 | LYNN | | | 11/22/94 |
| | 5,487,728 | 1/30/96 | VAILLANCOURT | | | 5/19/94 |
| | 5,487,731 | 1/30/96 | DENTON | | | 2/22/94 |
| | 5,492,147 | 2/20/96 | CHALLENGER ET AL. | | | 1/17/95 |
| | 5,492,304 | 2/20/96 | SMITH ET AL. | | | 6/16/93 |
| | 5,501,426 | 3/26/96 | ATKINSON ET AL. | | | 5/10/94 |

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| | 5,509,433 | 4/23/96 | PARADIS | | | 10/13/93 |
| | 5,509,912 | 4/23/96 | VAILLANCOURT ET AL. | | | 12/29/94 |
| | 5,514,098 | 5/7/96 | PFOSLGRAF ET AL. | | | 3/31/94 |
| | 5,514,116 | 5/7/96 | VAILLANCOURT ET AL. | | | 10/24/94 |
| | 5,520,665 | 5/28/96 | FLEETWOOD | | | |
| | 5,529,278 | 6/25/96 | WELDON ET AL. | | | 11/19/93 |
| | 5,531,810 | 7/2/96 | FULLEMANN | | | 9/21/94 |
| | 5,533,708 | 7/9/96 | ATKINSON ET AL. | | | 1/26/95 |
| | 5,533,983 | 7/9/96 | HAINING | | | 7/9/96 |
| | 5,535,771 | 7/16/96 | PURDY ET AL. | | | 8/10/94 |
| | 5,535,785 | 7/16/96 | WERGE ET AL. | | | 9/8/94 |

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| | 5,540,661 | 7/30/96 | TOMISAKA ET AL. | | | 5/3/94 |
| | 5,549,566 | 8/27/96 | ELIAS ET AL. | | | 10/27/94 |
| | 5,549,577 | 8/27/96 | SIEGEL ET AL. | | | 12/29/93 |
| | 5,549,651 | 8/27/96 | LYNN | | | 5/25/94 |
| | 5,552,118 | 9/3/96 | MAYER | | | 7/22/94 |
| | 5,555,908 | 9/17/96 | EDWARDS ET AL. | | | 6/23/95 |
| | 5,569,235 | 10/29/96 | ROSS ET AL. | | | 6/21/94 |
| | 5,573,516 | 11/12/96 | TYNER | | | 9/18/95 |
| | 5,578,059 | 11/26/96 | PATZER | | | 8/10/95 |
| | 5,584,808 | 12/17/96 | HEALY | | | 6/20/95 |
| | 5,597,536 | 1/28/97 | MAYER | | | 2/28/96 |

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| | 5,616,130 | 4/1/97 | MAYER | | | 6/22/95 |
| | 5,620,434 | 4/15/97 | BRONY | | | 7/10/95 |
| | 5,674,206 | 10/7/97 | ALTON ET AL. | | | 7/19/96 |
| | 5,685,866 | 11/11/97 | LOPEZ | | | 11/4/94 |
| | 5,688,254 | 11/18/97 | LOPEZ ET AL. | | | 6/7/95 |
| | 5,690,612 | 11/25/97 | LOPEZ ET AL. | | | 6/7/95 |
| | 5,694,686 | 12/9/97 | LOPEZ | | | 6/24/94 |
| | 5,695,466 | 12/9/97 | LOPEZ ET AL. | | | 7/23/93 |
| | 5,699,821 | 12/23/97 | PARADIS | | | 8/15/94 |
| | 5,700,248 | 12/23/97 | LOPEZ | | | 12/15/95 |
| | 5,702,019 | 12/30/97 | GRIMARD | | | 9/27/95 |

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|---------------------|-----------------|----------|------------------|-------|----------|-------------------------------|
| | 5,727,770 | 3/17/98 | DENNIS | | | 2/7/97 |
| | 5,738,663 | 4/14/98 | LOPEZ | | | 12/15/95 |
| | 5,749,861 | 5/12/98 | GUALA ET AL. | | | 2/26/97 |
| | 5,776,113 | 7/7/98 | DAUGHERTY ET AL. | | | 3/29/96 |
| | 5,788,675 | 8/4/98 | MAYER | | | 10/31/95 |
| | 5,820,601 | 10/13/98 | MAYER | | | 8/20/96 |
| | 5,836,923 | 11/17/98 | MAYER | | | 10/22/96 |
| | 5,251,873 | 10/12/93 | ATKINSON ET AL. | | | 6/4/92 |
| | 5,080,654 | 1/14/92 | PICHA ET AL. | | | 11/8/90 |
| | 4,969,883 | 11/13/90 | GILBERT ET AL. | | | 1/3/89 |
| | 4,449,693 | 5/22/84 | GEREG | | | 9/30/82 |

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| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|----------|------------------|-------|----------|-------------------------------|
| | 5,928,204 | 7/27/99 | LOPEZ | 604 | 249 | 6/7/95 |
| | 5,901,942 | 5/11/99 | LOPEZ | 251 | 149.1 | 10/21/97 |
| | 6,132,403 | 10/17/00 | LOPEZ | 604 | 249 | 4/22/97 |
| | 6,158,458 | 12/12/00 | RYAN | 137 | 515.5 | 6/24/99 |
| | 6,261,282B1 | 7/17/01 | JEPSON ET AL. | 604 | 533 | 5/20/98 |
| | 6,299,131B1 | 10/9/01 | RYAN | 251 | 149.1 | 5/9/00 |
| | 5,954,313 | 9/21/99 | RYAN | 251 | 149.1 | 4/29/97 |
| | 5,950,986 | 9/14/99 | DAUGHERTY ET AL. | 251 | 149.6 | 1/28/98 |
| | 5,957,898 | 9/28/99 | JEPSON ET AL. | 604 | 256 | 5/20/98 |
| | 6,050,978 | 4/18/00 | ORR ET AL. | 604 | 249 | 5/9/97 |
| | 6,113,068 | 9/5/00 | RYAN | 251 | 149.4 | 10/5/98 |

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|----------------------|-----------------|----------|------------------|-------|----------|-------------------------------|
| | 5,887,633 | 3/30/99 | YALE ET AL. | 141 | 329 | 2/26/98 |
| | 5,873,862 | 2/23/99 | LOPEZ | 604 | 249 | 4/22/97 |
| | 5,873,862 | 2/23/99 | LOPEZ | 604 | 249 | 4/22/97 |
| | 5,833,213 | 11/10/98 | RYAN | 251 | 149.1 | 8/7/97 |
| | 5,832,971 | 11/10/98 | YALE ET AL. | 141 | 329 | 7/22/96 |
| | 5,788,215 | 8/4/98 | RYAN | 251 | 149.6 | 12/29/95 |
| | 5,776,113 | 7/7/98 | DAUGHERTY ET AL. | 604 | 280 | 3/29/96 |
| | 5,755,696 | 5/26/98 | CAIZZA | 604 | 164 | 6/30/97 |
| | 5,746,733 | 5/5/98 | CAPACCIO ET AL. | 604 | 411 | 4/22/97 |
| | 5,694,686 | 12/9/97 | LOPEZ | 29 | 890.126 | 6/24/94 |
| | 5,685,866 | 11/11/97 | LOPEZ | 604 | 249 | 11/4/94 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER /Quynh-nhu Vu/

DATE CONSIDERED 04/28/2008

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INFORMATION DISCLOSURE C ITION
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ATTY DOCKET NO.
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HARDING ET AL.

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U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|---------|--------------------|-------|----------|-------------------------------|
| | 5,535,771 | 7/16/96 | PURDY ET AL. | 137 | 15 | 8/10/94 |
| | 5,279,583 | 1/18/94 | SHOBER, JR. ET AL. | 604 | 198 | 8/28/92 |
| | 5,441,487 | 8/15/95 | VEDDER | 604 | 167 | 1/23/95 |
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